

Attorney Docket No. 1454.1226

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Horst-Udo HAIN

Application No.:

Group Art Unit: (unassigned)

Filed: (concurrently)

Examiner: (unassigned)

For: METHOD FOR TRAINING GRAPHEMES ACCORDING TO THE PHONEME RULES
FOR VOICE SYNTHESIS**INFORMATION DISCLOSURE STATEMENT**Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure provisions of 37 CFR § 1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the subject application.

1. Enclosures accompanying this Information Disclosure Statement are:

- 1a. ☒ Form PTO-1449.
- 1b. ☒ Copies of IDS citations.
- 1c. ☒ An English language copy of search report(s) from a counterpart foreign application or a PCT International Search Report.
- 1d. ☐ English language translation (complete or relevant portion(s)) attached to each non-English language publication.
- 1e. ☐ Explanations of Relevancy of References (ATTACHMENT 1(e), hereto) for providing a concise explanation of each non-English publication.

2. ☐ In accordance with 37 CFR § 1.98, a concise explanation of what is presently understood to be the relevance of each non-English language publication is

(Check appropriate Items 2a, 2b, 2c and/or 2d)

- 2a. ☐ satisfied because all non-English language publications were cited on the enclosed "English-language version of the search report or action which indicates the degree of relevance found by the foreign office". (See MPEP 609, Minimum Requirements for an Information Disclosure Statement, Part A(3): Concise Explanation of Relevance, pp. 600-100 to 600-101, Rev. 1, Feb. 2000.)
- 2b. ☐ set forth in the application.

- 2c. ☐ satisfied because an English language translation (complete or relevant portion(s)) is attached to each non-English language publication.
- 2d. ☐ enclosed as Attachment 1(e), hereto.
3. No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than search report(s) from a counterpart foreign application or a PCT International Search Report, if submitted herewith). 37 CFR §§ 1.97(g) and (h).

Respectfully submitted,

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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO. 1454.1226	APPLICATION NO.
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		FIRST NAMED INVENTOR Horst-Udo HAIN	
		FILING DATE (concurrently)	GROUP ART UNIT

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
	AC						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO	
	AD	372 734	06/13/90	EPO				
	AE	68913669T2	7/21/94	Germany				
	AF							
	AG							
	AH							
	AI							

OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AJ	Luk et al., "Inference of Letter-Phoneme Correspondences by Delimiting and Dynamic Time Warping Techniques", Proceedings of the International Conference on Acoustics, Speech and Signal Processing (ICASSP), vol. 17, March 23, 1992, pp. 61-64
	AK	Oakey et al., "Inductive Learning of Pronunciation Rules by Hypothesis Testing and Correction", Proceedings of the 7th Joint Conference on Artificial Intelligence IJCAI-81, 24-28 August 1981, pp. 109-114
	AL	Torkkola et al., "Dynamically Expanding Context vs. Multi-Layered Networks in Correction of Phoneme Strings", Proceedings of the Expert Systems Applications World Conference, IITT International, vol. Conf. 1, 1989, pp. 333-337
	AM	Dutoit, "Introduction to Text-to-Speech Synthesis", 1997, Kluwers Academic XP002157980, paragraph 5.4.3

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	